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PATENT & TRADEMARK OFFICE

SEQUENCE LISTING

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SILVERMAN, MARK
ISNER, JEFFREY M.
YOON, YOUNG-SUP

<120> USE OF LYMPHANGIOGENIC AGENTS TO TREAT LYMPHATIC DISORDERS

<130> 71417/55062

<140> 09/970,088
<141> 2001-10-02

<150> 60/237,171
<151> 2000-10-02

<160> 14

<170> PatentIn Ver. 2.1

<210> 1
<211> 8
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Illustrative peptide

<400> 1
Asn Val Ser Asp Ser Leu Glu Met
1 5

<210> 2
<211> 7
<212> PRT
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Illustrative peptide

<400> 2
Trp Glu Phe Pro Arg Glu Arg
1 5

<210> 3
<211> 24
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<220>
<221> modified_base
<222> (18)
<223> A, T, C or G

<400> 3
aacgtgagyg actcsytnga ratg 24

<210> 4
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Synthetic oligonucleotide

<400> 4
cckytcyckg ggraaytccc a 21

<210> 5
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 5
tatggtacaa agatgagagg c 21

<210> 6
<211> 21
<212> DNA
<213> Artificial Sequence

<220>
<223> Description of Artificial Sequence: Primer

<400> 6
acaggtattc acattgctcc t 21

<210> 7
<211> 420
<212> DNA
<213> Oryctolagus cuniculus

<400> 7
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ctgcaagaag aatctggaat cgacctcgcg gactcgaacc agaggctgag catccagcgc 120
gtgcgcgagg aggacgcggg ccgctatctg tgcagcgtgt gcaacgccaa gggctgcgtc 180
aactcctccg ccagcgtagc tgtgggaggc gccgaagata gaggcagcat ggagatcgtg 240
atcctcgtgg gcaccggcgt cattgccgtg ttcttttggg tcctcctcct gctcatcttc 300

tgtaacatga ggaggccagc ccacgcggac atcaagacgg gctacttgtc catcatcatg 360
gatcccgggg aggtgcctct ggaggagcaa tgtgaatacc tgtcctacga cgccagccag 420

<210> 8
<211> 420
<212> DNA
<213> Bos sp.

<400> 8
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gtgcgcgagg aggacgcggg ccactatctg tgcagtgtgt gcaacgccaa gggctgtgtc 180
aactcctctg ccagcgtggc tgtggaaggc tctgaggata aaggcagcat ggagatcgtg 240
atccttgttg gcaccggagt catcgctgtc tttttctggg tcctccttct cctcatcttc 300
tgtaacatga ggaggccaac ccatgcagac atcaagactg gctacttgtc catcatcatg 360
gaccccgggg aggtgccttt ggaggagcag tgtgaatacc tgtcctacga tgctagtcaa 420

<210> 9
<211> 420
<212> DNA
<213> Homo sapiens

<400> 9
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ctggaggaaa agtctggagt cgacttggcg gactccaacc agaagctgag catccagcgc 120
gtgcgcgagg aggatgcggg acgctatctg tgcagcgtgt gcaacgccaa gggctgcgtc 180
aactcctccg ccagcgtggc cgtggaaggc tccgaggata agggcagcat ggagatcgtg 240
atccttgtcg gtaccggcgt catcgctgtc ttcttctggg tcctcctcct cctcatcttc 300
tgtaacatga ggaggccggc ccacgcagac atcaagacgg gctacctgtc catcatcatg 360
gaccccgggg aggtgcctct ggaggagcaa tgcgaatacc tgtcctacga tgccagccag 420

<210> 10
<211> 420
<212> DNA
<213> Mus sp.

<400> 10
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ctggagaaag agtcgggaat cgacctggca gactccaatc agaggctgag catccagcgc 120
gtgcgcgagg aggacgcagg tcgttatctg tgcagcgtgt gcaatgccaa gggctgcgta 180
aactcctctg ccagcgtggc agtggaaggc tctgaagata aaggcagcat ggagattgtg 240
atactcattg gcactggcgt catcgcagtt ttcttctggg tcctcctcct gctcatcttc 300
tgtaacatga aaaggcctgc ccatgcagac atcaagacgg gctacctgtc catcatcatg 360
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<210> 11
<211> 140
<212> PRT
<213> Oryctolagus cuniculus

<400> 11
Arg Cys Ala Val Ala Gly Ala His Val Pro Ser Ile Val Trp Tyr Lys
1 5 10 15

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Asp Glu Arg Leu Leu Gln Glu Glu Ser Gly Ile Asp Leu Ala Asp Ser
            20                  25                  30

Asn Gln Arg Leu Ser Ile Gln Arg Val Arg Glu Glu Asp Ala Gly Arg
        35                  40                  45

Tyr Leu Cys Ser Val Cys Asn Ala Lys Gly Cys Val Asn Ser Ser Ala
    50                  55                  60

Ser Val Ala Val Gly Gly Ala Glu Asp Arg Gly Ser Met Glu Ile Val
65                  70                  75                  80

Ile Leu Val Gly Thr Gly Val Ile Ala Val Phe Phe Trp Tyr Leu Leu
                85                  90                  95

Leu Leu Ile Phe Cys Asn Met Arg Arg Pro Ala His Ala Asp Ile Lys
            100                 105                 110

Thr Gly Tyr Leu Ser Ile Ile Met Asp Pro Gly Glu Val Pro Leu Glu
        115                 120                 125

Glu Gln Cys Glu Tyr Leu Ser Tyr Asp Ala Ser Gln
    130                 135                 140
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<210> 12
<211> 140
<212> PRT
<213> Bos sp.

<400> 12

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Arg Cys Pro Val Ala Gly Thr His Val Pro Ser Ile Val Trp Tyr Lys
  1               5                  10                  15

Asp Glu Lys Leu Leu Glu Glu Glu Ser Gly Ile Asp Leu Ala Asp Ser
            20                  25                  30

Asn Gln Arg Leu Ser Ile Gln Arg Val Arg Glu Glu Asp Ala Gly His
        35                  40                  45

Tyr Leu Cys Ser Val Cys Asn Ala Lys Gly Cys Val Asn Ser Ser Ala
    50                  55                  60

Ser Val Ala Val Glu Gly Ser Glu Asp Lys Gly Ser Met Glu Ile Val
65                  70                  75                  80

Ile Leu Val Gly Thr Gly Val Ile Ala Val Phe Phe Trp Tyr Leu Leu
                85                  90                  95

Leu Leu Ile Phe Cys Asn Met Arg Arg Pro Thr His Ala Asp Ile Lys
            100                 105                 110

Thr Gly Tyr Leu Ser Ile Ile Met Asp Pro Gly Glu Val Pro Leu Glu
        115                 120                 125

Glu Gln Cys Glu Val Leu Ser Tyr Asp Ala Ser Gln
    130                 135                 140
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<210> 13
<211> 140
<212> PRT
<213> Homo sapiens

<400> 13
Gln Cys Leu Val Ala Gly Ala His Ala Pro Ser Ile Val Trp Tyr Lys
1 5 10 15

Asp Glu Arg Leu Leu Glu Glu Lys Ser Gly Val Asp Leu Ala Asp Ser
20 25 30

Asn Gln Lys Leu Ser Ile Gln Arg Val Arg Glu Glu Asp Ala Gly Arg
35 40 45

Tyr Leu Cys Ser Val Cys Asn Ala Lys Gly Cys Val Asn Ser Ser Ala
50 55 60

Ser Val Ala Val Glu Gly Ser Glu Asp Lys Gly Ser Met Glu Ile Val
65 70 75 80

Ile Leu Val Gly Thr Gly Val Ile Ala Val Phe Phe Trp Val Leu Leu
85 90 95

Leu Leu Ile Phe Cys Asn Met Arg Arg Pro Ala His Ala Asp Ile Lys
100 105 110

Thr Gly Tyr Leu Ser Ile Ile Met Asp Pro Gly Glu Val Pro Leu Glu
115 120 125

Glu Gln Cys Glu Val Leu Ser Tyr Asp Ala Ser Gln
130 135 140

<210> 14
<211> 140
<212> PRT
<213> Mus sp.

<400> 14
Arg Cys Pro Val Ala Gly Ala His Val Pro Ser Ile Val Trp Tyr Lys
1 5 10 15

Asp Glu Arg Leu Leu Glu Lys Glu Ser Gly Ile Asp Leu Ala Asp Ser
20 25 30

Asn Gln Arg Leu Ser Ile Gln Arg Val Arg Glu Glu Asp Ala Gly Arg
35 40 45

Tyr Leu Cys Ser Val Cys Asn Ala Lys Gly Cys Val Asn Ser Ser Ala
50 55 60

Ser Val Ala Val Glu Gly Ser Glu Asp Lys Gly Ser Met Glu Ile Val
65 70 75 80

Ile Leu Ile Gly Thr Gly Val Ile Ala Val Phe Phe Trp Val Leu Leu
85 90 95

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Leu Leu Ile Phe Cys Asn Met Lys Arg Pro Ala His Ala Asp Ile Lys
            100                 105                 110

Thr Gly Tyr Leu Ser Ile Ile Met Asp Pro Gly Glu Val Pro Leu Glu
        115                 120                 125

Glu Gln Cys Glu Tyr Leu Ser Tyr Asp Ala Ser Gln
    130                 135                 140
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